

Leading the Launch



IDAHO NATIONAL ENGINEERING AND ENVIRONMENTAL LABORATORY

*Delivering a payload of
responsive technologies*



Technology Deployment



HOME OF SCIENCE AND ENGINEERING SOLUTIONS



Modified BROKK Demolition Machine with Remote Console

Problem

INEEL's Pre-FY 2007 Surplus Facility Deactivation Project performs equipment rip-out using a demolition robot. Safety and health hazards pose a risk to operators using line-of-sight controls.

Baseline Technology

Develop and implement hazard controls to allow line-of-site operation.

Innovative Technology

The Modified BROKK Demolition Machine enhances the capabilities of the demolition robot by adding a remote viewing system.

Comparison

Addition of the INEEL-developed remote viewing system allows the BROKK operator to view the work area from a remote control console.

Benefits

This machine enabled the project to remotely remove equipment while the operator is isolated from safety and health hazards, including those associated with inclement weather.